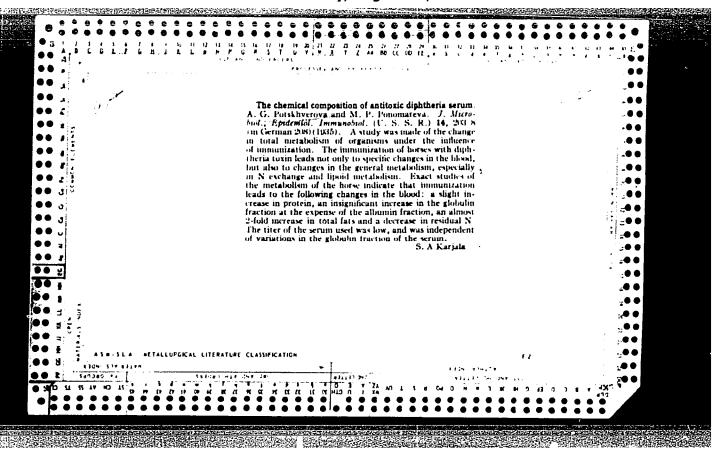


POTSKERASHVILI, B.S., Cand them Sci--(ding) "Merconical condensation" hydroxic of di-acetates 1,3- and 1,4-butandiols with promotic carbon and phenol in the presence of anhydrous aluminum chloride." "bilisi, 1958. 12 pp with graphs; 3 sheets of condensation" (Thilisi State U in I.V. Stalin), 150 copies (KL,30-58,123)

SHAMSUTDINOV, A.M., otv. red.; VALUYSKIY, A.M., red.; DANTSIG, B.M., red.; MOISEYEV, P.P., red.; POTSKHVERIYA, B.M., red.; TVERITINOVA, A.S., red.; GASRATYAN, M.A., red. izd-va,; DEMIN, A.I., red. izd-va,; TSVETKOVA, S.V., tekhn. red.

[Present-day Turkey] Sovremenneia Turtsiia. Moskva, Izd-vo vostochnoi lit-ry, 1958. 290 p. (MIRA 11:11)

1. Akademiya nauk SSSR. Institut vostokovedeniya. (Turkey)



Construction in the capital during the years of people's consequent; 13 STROITHISTVO. (Ministerative ne streezhite) lofiia, Dullaria, Vol. 6, so. 9, 1959 Monthly List of Mart European Accessions (EMAI), MC, Vol. 8, so. 12, December 1959 Uncl.

Q : HUNGARY : Farm Animals. Poultry Country CATEGORY ABB. JOUR. ! RZBiol., Fo. 13, 1958, No. 59634 : Potsubay, J. AUTHOR : Winter Management of Layers in Movable INST. TITLE Poultry Houses ORIG. PUB.: Allatenyesztos, 1956, 5, No 4, 369-380 ABSTRACT : No abstract. 1/1 CARD:

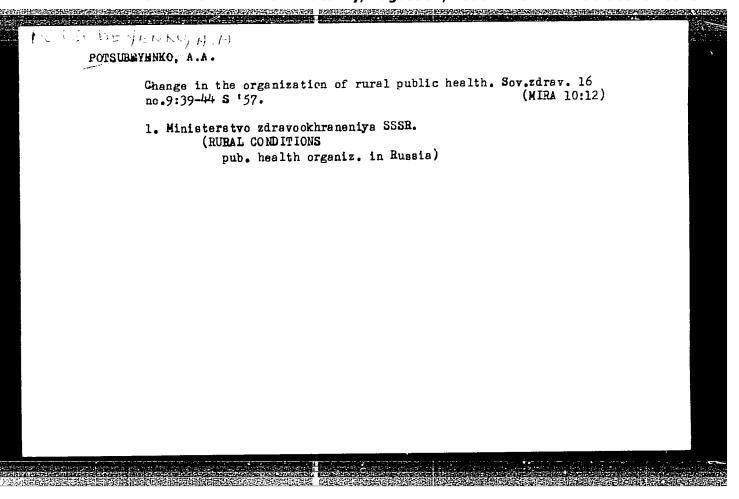
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POTSUBAY, Janos, Ur. docent, DUDUK, Ventel, Dr. adjunctes, VINCZE, Laszle, adsistant professor; Gollege of Agrarian Telephone, Department of Initial Physiology and Animal Mygiene (chairman: POWNEAY, Janos, Dr. docent) (Agrartudomanyi Foiskola, Allatelettan) er Allate asyseguani Tanonek).

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VVEDENSKAYA, L.A., kandidat tekhnicheskikh nauk; POTSUKOV, N.G., professor, doktor tekhnicheskikh nauk.

POTSYUNAS, A. I., Cand Tech Sci -- "Effect of mechanical dehydration of slightly decomposed peat on the process of drying under bissk field conditions? Kaunas, 1961. (State Com of Higher and Sec Spec Ed attached to the Council of Ministers Lissk. Kaunas Polytech Inst) (KL, 8-61, 248)

- 291 -

POTSYUS, V.Yu. (Pocius, V.]; TONKUS, I.S. [Tomkus, J.]

Background of nuclear emulsions used in studying the aradioactivity of the atmosphere. Trudy AN Lit.SSSR.Ser. B no. 1:29-32 '63. (MIRA 17:5)

1. Institut geologii i geografii AN Litovskoy 3SR.

POTSYUS, V. Yu., Cand Phys-Math Sci -- "Study of 2-radio. isotopes in nebulous elements." Vil'nyus, 1961. (State Com of Higher and Sec Spec Ed of the Council of Ministers LiSSR. Vil'nyus State U im V. Kapsukas) (KL, 8-61, 228)

d=lifts

- 37 -

STYRO, B.I.; GARBALYAUSKAS, Ch.A.; MATULEVICHUS, V.P.; FOTSYUS, V.Yu.;
SHOPAUSKAS, K.K.

Presence of alpha-emitting "hot" aerosols in the atmosphere.
Atom. energ. 15 no.3:262-264 S '63. (MIRA 16:10)

(Aerosols)

S/236/63/000/001/004/015 D251/D308

AUTHORS: Potsyus, V. Yu. and Tomkus, I. S.

TITLE:

On the question of the background of nuclear emulsions used in the study of \alpha-radioactivity in the atmosphere

SOURCE:

Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1,

TEXT: In connection with the study of radioactivity in the atmosphere, the authors investigate the background of nuclear emulsions of the A-2 type of thickness 50 μ , since the presence of this background may have a considerable effect on experimental, results at low frequency levels. The α -tracks were observed with an MBN-2 (MBI-2) microscope, with magnification x (675 - 1350). Testing of different nuclear emulsions showed that the general background increases daily by about 10 q-tracks/cm², but in the upper layer (10 μ) of the emulsion by only 0.5 α -tracks/cm². The increase of background with depth may indicate the presence of radio-atoms in the glass base or a contaminated under-layer. The

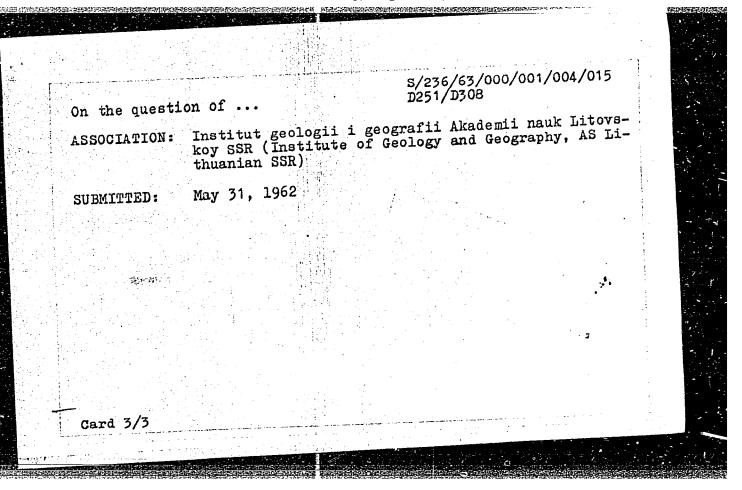
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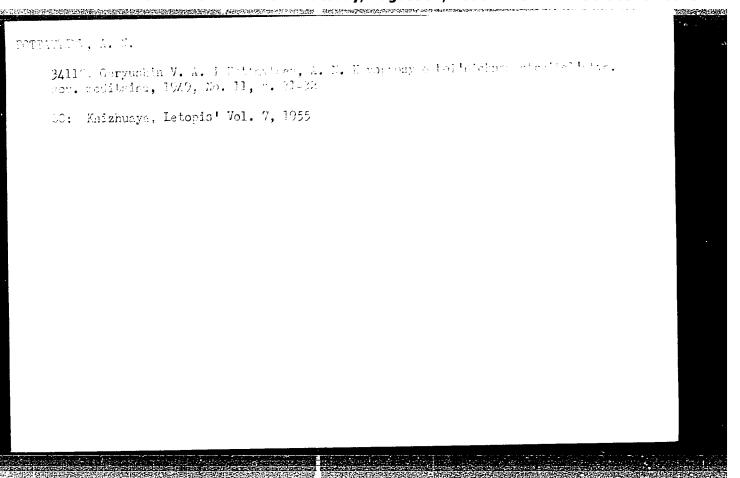
S/236/63/000/001/004/015

On the question of ...

reduction in the number of tracks in the upper layer may also indicate that the regression of a-tracks proceeds more effectively when in direct contact with air. It is recommended that for the study of the radioactivity of the atmosphere the contact method of irradiating the emulsion should be used since in this case the majority of the a-tracks are situated in the surface layer, and in order to take into account the background according to the separate components in this layer. The composition by components as also the total background were studied using H_2O and H_2O_2 vapor, in a solution of $K_3 Fe(CN)_6$, and in an atmosphere of oxygen. The use of H_2O_2 vapor and of a 1% $K_3 Fe(CN)_6$ solution proved most effective, tests being made at 5-minute intervals in the latter case. The results of testing are presented in the form of a histogram, which takes the general form of a Poisson distribution with mode at 24 μ , but having a subsidiary peak at 40 μ . There are 1 figure and 3 tables.

Card 2/3





AID P - 810

POTTE, A.E.

Subject : USSR/Engineering

Card 1/1 Pub. 28 - 2/7

Author : Potte, A. E.

Title : Brief description of construction and test results of

the 6ch-36/45 diesel engine

Periodical : Energ. byul., #9, 8-12, S 1954

Abstract : The specifications of the six-cylinder, four-cycle, non-

reversible 600 hp diesel engine manufactured by the "Dvigatel' Revolyutsii" Plant, are presented with two cross-section drawings, 2 tables and 2 charts with

operation characteristics.

Institution: None

Submitted : No date

AUTHOR:

Potte, A.E.

90-58-5-6/10

TITLE:

Testing of the Pump K-500 on Pumping High-Viscosity Petroleum Products and the Investigation of Pressure Fluctuations in the Oil Pipeline (Ispytaniye nasosa K-500 pri perekachke vysokovyazkikh nefteproduktov i issledovaniye kolebaniya v nefteprovode)

PERIODICAL:

Energeticheskiy Byulleten', 1958, Nr 5, pp 18-24 (USSR)

ABSTRACT:

The transportion of oil products by pipelines is being increased. Highly productive piston pumps must be designed for this purpose. The pump K-500 has therefore been developed by the Giproneftemash. The new pump is a piston-type, tandem-compound, horizontal two-cylinder model. Its productivity is 500 m³/h at a pressure of 14 kg/cm². It consists of a steam part with 2 high-pressure and 2 low-pressure cylinders, and a hydraulic part with 2 cylinders, 400 mm in diameter. The oil product used in testing was mazut with a viscosity of E50 = 18-22 (in Engler degrees), and with a specific weight of 0.96 t/m³. The number of double strokes was varied from 5 to 40 per min, and the pressure from 6 to 14 atm with a vacuum between 0 to 400 mm mercury column during suction. The results of the experi-

Card 1/3

90-58-5-6/10

Testing of the Pump K-500 on Pumping High-Viscosity Petroleum Products and the Investigation of Pressure Fluctuations in the Oil Pipeline

ments are given in Table 1, and the indicator diagrams in Figure 1. It is shown that the capacity of the pump depends on the number of strokes and is almost independent of the pressure. At a stroke length of 550 mm, the hourly capacity is 475 m3 and reaches 596 m3 at 40 strokes per min. The efficiency factor is 0.92 - 0.93 at 20 - 32 strokes per min. In Table 2, the average values of parameters are given. Figure 3 show the oscillogram of the movements of the piston and slide rods. The average speed of the piston is 1.1 m/sec, the maximum 2.3 m/sec. The oscillograms of the pressure in the hydraulic cylinder and the pressure pipeline are represented in Figure 4, and the same parameters for various conditions in Table 4. In the pressure pipe, fluctuations of pressure are not observed at small piston strokes. At 20 strokes per minute there are fluctuations which are insignificant with regard to amplitude. These fluctuations soon disappear. At operation conditions (32 strokes) the maximum double amplitude reaches 50 - 65% of the average pressure. The oscillogram of an induced breakdown with considerable pressure fall in

Card 2/3

90-58-5-6/10

Testing of the Pump K-500 on Pumping High-Viscosity Petroleum Products and the Investigation of Pressure Fluctuations in the Oil Pipeline

the pressure pipe is shown in Figure 5. The pressure fell from 6 atm to 1.4 atm in 23 sec and the number of strokes rose from 23 to 43 per min. The drawbacks of the pumps are: its weight of 20 to, the necessity of dismounting the whole pump in order to get to the principal parts, etc. There are 5 figures and 4 tables.

AVAILABLE: Library of Congress

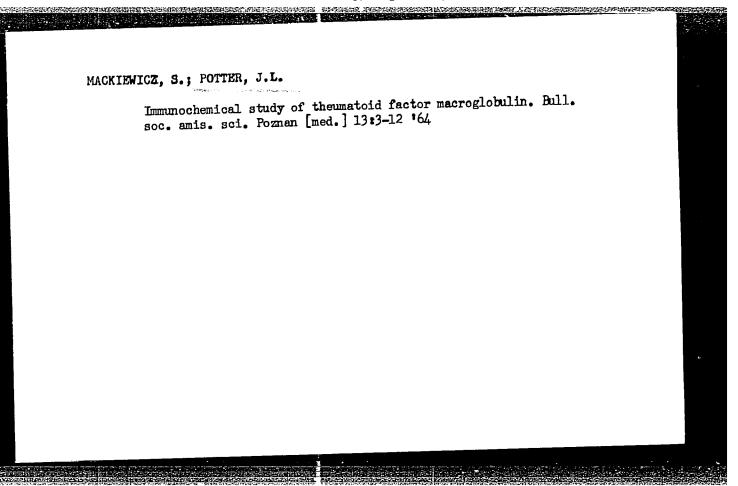
Card 3/3

1. Pumps-Design 2. Pumps-Test results 3. Petroleum-Pipeline transportation

POTTE, N.V.

Roengenologic investigation of the heart in athletes. Klin.med., Moskva 29 no.5:48-54 May 1951. (CLML 20:9)

1. Of the Faculty Therapeutic Clinic (Director-Honored Worker in Science Prof. G.F. Lang, Active Member of the Academy of Medical Sciences USSR, deceased), First Leningrad Medical Institute imeni Academician I.P. Pavlov, Leningrad.



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FOTTHE, J. S.

"Isolation of Chromoso on From Lorrent Judici" (; no 107) by Pomorisate, E. S.

(Isolation of Chromoso in Phrench from the Porting Lucieum of Lectoria Color. A. Chinde and J. S. Potter. J. Exp. Fid., V. 77, No. 4, 1969)

So: Advances in Fodera Stoker, (Uspekhi Sevrerennoi Holonti), Vol. 16, 1089, No. 1
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POTTER, KH. I .; IDEL'SON, N. I.

USSR (600)

Nutation

Determining constant nutation from two series of observations on a transit irstrument in the first vertical at Pulkovo. Izv. Glav. astron. dbs. 19 No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

POTTER, KH. I.

Dissertation: "Investigation of the Suchetty of Astrographs in Photographing Polar Fields with an intervals Tabe." Gand phys-Math Sci,

Nain Astronomical Observatory, Acad Sci Ussk, Jan-Mer 54 (Vestnik

Akademii Nauk, Moscow Ang 54)

20: SUR 393, 22 Feb 1955

TOTTER, KS. 1.

AID P - 437

: USSR/Astronomy Subject

Pub. 8, 16/16 Card 1/1

Potter, Kh. I. Author

Chronicle. 11th Astronomical Conference Title

: Astron. zhur., v. 31-4, 407-408, J1-Ag 1954 Periodical

Abstract

: The 11th Astronomical Conference took place in Leningrad and Pulkovo on May 24-26, 1954. It coincided with the reopening of Pulkovo Observatory. Twelve foreign countries

were represented. It was concluded by a suggestion that

astronomers of all countries partake in the work of

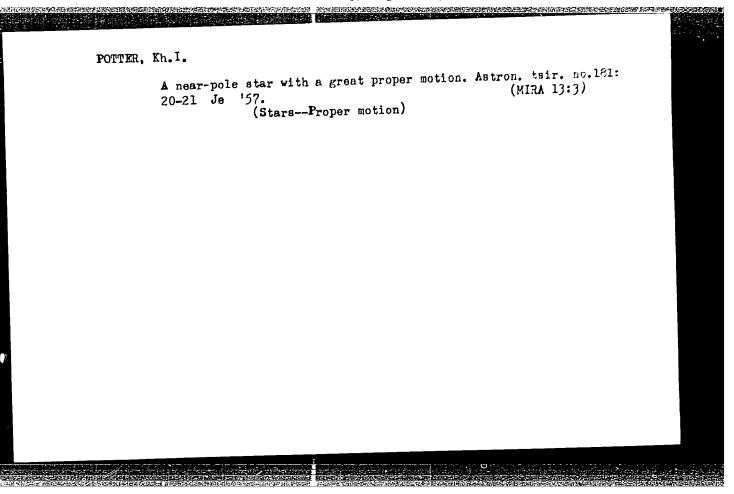
Soviet astronomers.

Institution: None

: No date Submitted

POTTER, Kh.I.; PANOVA, G.V.; KARPELYUK, A.A.

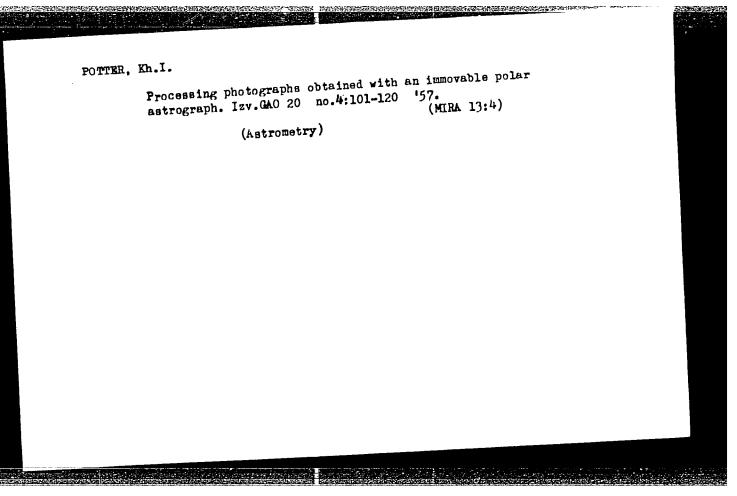
Determining the aberration constant according to a three-year observation series on the Pulkovo polar telescope. Astron. tsirk. (MLRA 10-7) no.174:12 N '56. (Aberration)

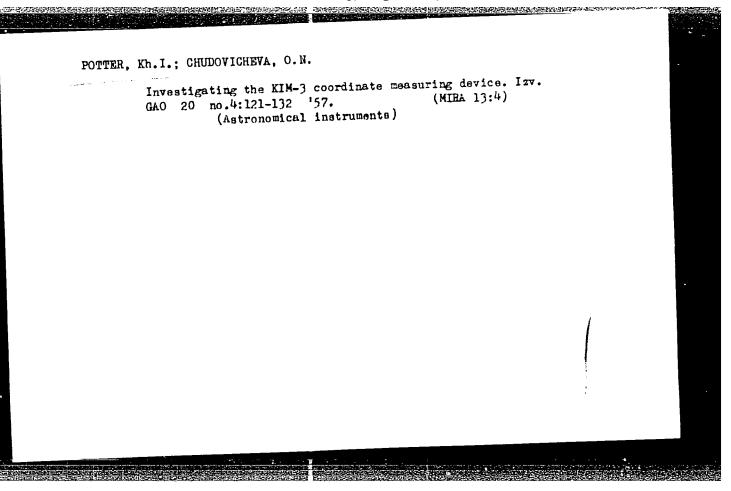


POTTER, Kh.I.; EULATOVA, F.F.

Observations of lunar occultations of stars at the Main Astrommical Observatory in Pulkovo in 1956. Astron.tsir. no.180:23
mical Observatory in Pulkovo in 1956. Astron.tsir. no.180:23
(MIRA 13:4)

(Occultations)





510

AUTHOR:

Potter, Kh. I.

TITLE:

A new method for determining the photographic positions of celestial objects. (Novyy metod opredeleniya fotograficheskogo polozheniya nebesnykh ob"yektov).

"Astronomicheskiy Zhurnal" (Journal of Astronomy),

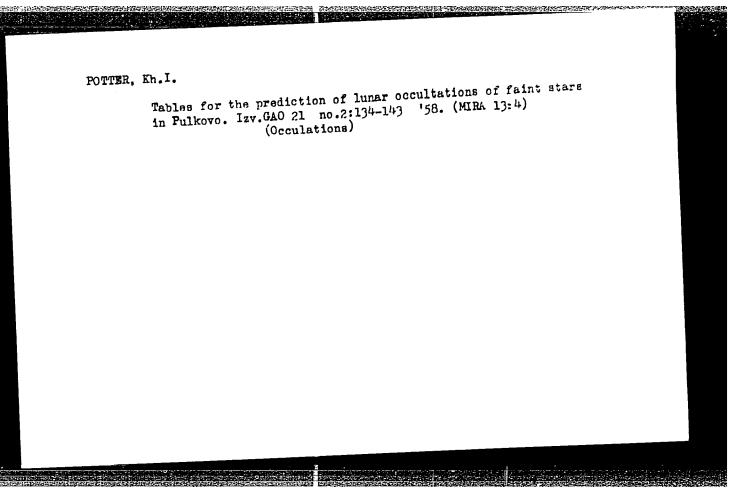
1957, Vol.34, No.2, pp. 250 - 260 (USSR)

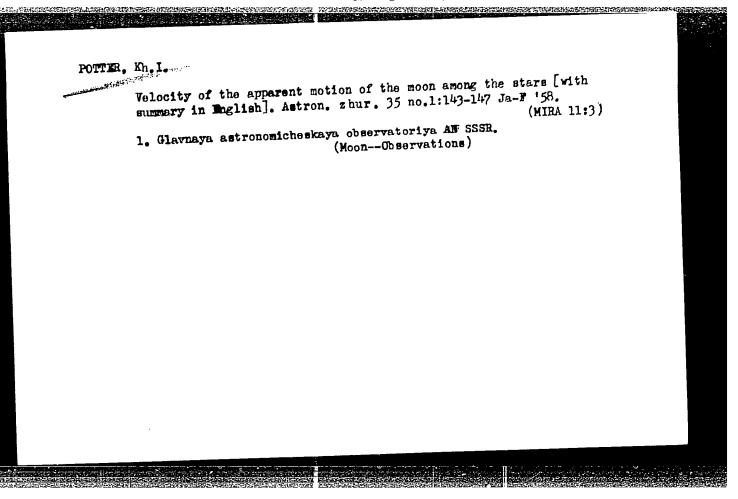
ABSTRACT:

PERIODICAL:

A new method is proposed for solving the classical problem of photographic astrometry - the determination of the position of a celestial object near the optical centre, using reference stars. This method differs from that of Turner (6 constants) and Merton ("position lines") in that the engles between the directions from the optical centre to separate stars are used. If these angles are measured the influence of radial aberrations is wholly excluded, i.e. coma, astigmatism, lateral chromatic aberration, distortion and also an inaccurate scale value, the possible difference of the scale in different azimuths or the curvature of the focal plane if reflectors of the Maksutov or Schmidt type are used. As the stellar images are symmetrical to radial directions the accidental errors of measurement are decreased considerably. The proposed method is expedient if there are few reference stars on the plate, unsymmetrically distributed around the object the optical centre. Such usees may arise

CIA-RDP86-00513R0013427 APPROVED FOR RELEASE: Tuesday, August 01, 2000





3(1)

Potter, Kh.I.

507/33-35-4-10/25

AUTHOR: TITLE:

On the Application of Observations of the Moon for Geodesic Purposes (K voprosu ob ispol'zovanii nablyudeniy luny v geodezicheskikh tselyakh)

PERIODICAL: Astronomicheskiy zhurnal, 1958, Vol 35, Nr 4, pp 618-622(USSR)

ABSTRACT:

The author investigates the principal possibility to determine the corrections of the point of observation Δq , $\Delta \varphi'$, $\Delta \lambda$ and the corrections of the coordinates of the moon $\Delta \alpha$, $\Delta \delta$, $\Delta \pi$ by photographic observations of the moon. He shows that only four of the six parameters can be independently determined, namely $\Delta \alpha$, $\Delta \lambda$ and two linear combinations of the other unknowns.

There are 3 references, 2 of which are Soviet; and 1 English.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya AN SSSR (Mail Association cal bservatory AS USSR)

SUBMITTED: marcn 26, 1957

Card 1/1

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(Transactions of the 18th Astronatrical Conference of the UCOR, Meld in Miyev 27-30 May 1938) Moscow, Ind-vo Ad CEOR, 1960. 1960 p. Errata slip inserted. 1000 copies printed. Sponsoring Agency: Akademiya nauk 8000. Glavneya astronomicheskaya observatoriya (Pulkovo). Resp. Ed.: M. S. Zvorev, Corresponding Member, Academy of Sciences USER; Ed. of Publishing House: N. K. Zeychik; Trob. Da.: R. A. Zenersyeva. FURPOSE: The book is intended for entremembers and astrophysicists, particularly those interested in astronetrical research. COVERAGE: This publication presents the Transactions of the 14th Astronetrical Conference of the USSR, held in Kiyev 27-30 May 1998. It includes 27 reports and 55 scientific papers presented at the planery meeting of the Conference Card -2/25

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and at the special sectional meetings. An appendix contains the resolutions adopted by the Conference, the composition of the committees, the agenda, and the list of participants at the Conference. A brief summery in English is the list of participants at the Conference follow individual articles. Given at the end of each article. References follow individual articles. The Presidium of the Astrometrical Committee (Chairman M. S. Zverev), which the Presidium of the Astrometrical Committee (Chairman M. S. Zverev), which supervised the preparation of this publication, expresses thanks to the members of the secretariat: V. M. Vasil'yev, I. G. Kol'chinskiy, A. B. One-gira, and Kh. I. Potter.		
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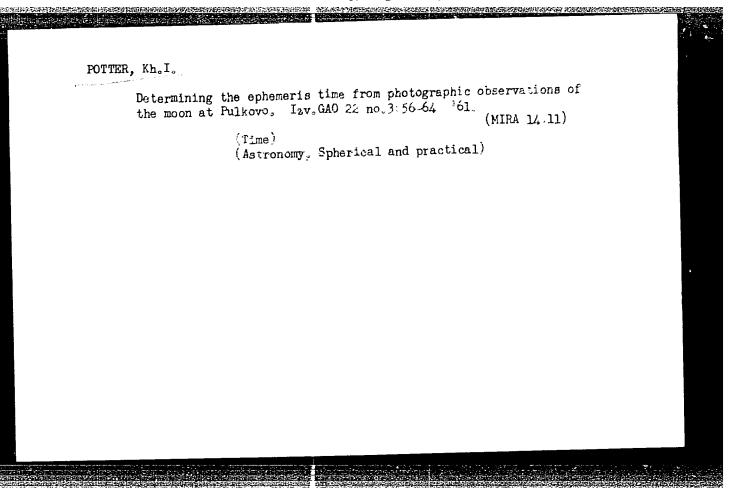
POTTER, KH. I.

"A Study Of The Figure Of The Moon From Photographs Of The Full Moon." paper presented at IAU Symposium on the Moon, Leningrad, USSR, 6-8 Dec 60.

The study of the figure of the Moon from direct measurements of radiivectors on lunar disk photographs gives reliable results only if the measurements are made in all position angles (from 0° to 360°). Photographs taken during such a full Moon when the geocentric ecliptic latitude of the Moon is small (less than 1°.5 - 2°.0) are suitable for this purpose. In this case in some regions of the earth's surface the apparent (topocentric) wane of the Moon is negligibly small (less that than 0".1). According to A. Yakovkin's results the asymmetry of the lunar disk is considerably larger, being of the order of 1".

Photographs of the full Moon were taken with 26" Pulkovo refractor (D=65 cm, F=1050 cm)

Photographs of the full Moon were taken with 26" Pulkovo refractor (D=65 cm, F=1050 cm) on Sept. 27-28, 1958 (wane 0."07). The measurement of three of these plates showed that neither the model of the figure of the Moon proposed by Yakovkin, nor the maps of the marginal zone compiled by Hayn and Nefedyev satisfactorily represent the Moon; s limb. The most probable figure of the Moon is found to be an ellipse with flattening 1:1200 and an inclination of the major axis to the axis of rotation equal to 36 (from NW to BE). A table is given of the moments of full Moon and annular solar eclipses, which are suitable for the study of the figure of the Moon during 1961-1965. The places in which these observations may be made are indicated.



POTTER, Kh.I.; SHIKHOBALOVA, N.P., doktor med.nauk; ALIYEV, M.M., akademik

Scientific bonds with foreign countries. Vest.AN SSSR 31 no.3:101104 Mr '61.

1. AN AzerSSR (for Aliyev).
(Science-Congresses)

FOTTER, Kh.I.; BYSTROV, N.F.

Investigating the form of the moon from photographs obtained close to the moment of the topocentric full moon. Astron.zhur. 38 (MIRA 14:9) no.5:946-953 S_O '61.

1. Glavnaya astronomicheskaya observatoriya AN SSSR. (Moon--Observations)

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ACCESSION NR: AR4049316

SOURCE: Ref. zh. Astronomiya. Otdel'ny: y vy:p., Abs. 8.51.151

AUTHOR: Polozhentsev, D. D.; Potter, Kh. I.; Streletskiy, Yu. S.

TITLE: Plan for an instrument for photographic observations of the sun for astrometric purposes

CITED SOURCE: Tr. 15-y Astrometr. konferentsii SSSR, 1960. M.-L., AN SSSR, 1963, 127-131

TOPIC TAGS: astrometry, astronomical instrument, solar observation, reference star, mirror astrolabe, meridian instrument

TRANSLATION: The authors note the timeliness of astrometric observations of the sun for investigation of space. The complexity of the use of the photographic method as a result of the exceptionally high surface brightness of the sun is mentioned, as well as the fact that simultaneous photography of reference stars is impossible. The article is accompanied by a diagram of the instrument, a brief impossible. The article is accompanied by a diagram of the instrument, a brief description and the principle of operation. The instrument consists of a horizon-description and the principle of operation. The instrument consists of a horizon. The

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ACCESSION NR: AT3008545

AUTHORS: Potter, Kh. I.; Streletskiy, Tu. S.

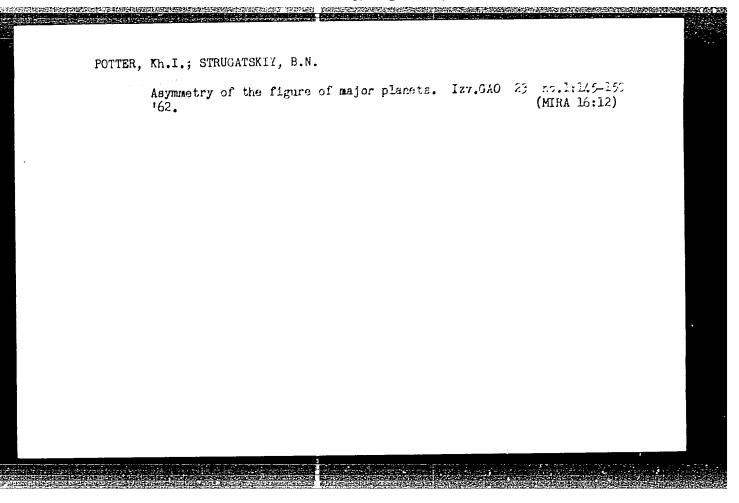
TITLE: A camera with optical compensator for observing artificial satellites

SOURCE: Novaya tekhnika v astronomii; materialy* soveshch. Komissii priborostroyen. pri Astronom. sovete AN SSSR, Moskva, 18-20 apr. 1961 g. Moscow, Izd-vo AN SSSR, 1963, 111-117

TOPIC TAGS: camera, artificial satellite, astrograph, photographic film, Agfa Astro, Kodak OaO, Ilford HP3, NIKFI 1, NIKFI 2, NAFA 3c/25 camera

ABSTRACT: Present methods of determining the position of an artificial satellite are inadequate for the precision necessary to achieve maximum refinement in geodetic, meteorologic, and other knowledge that such satellites may supply. The authors suggest a method that may increase the precision, approaching that of observations on stars and other heavenly bodies. The essential part of the proposed device is a rotating plane-parallel glass filter set in front of the focal plane of an astrograph with a focal distance of about 2-2.5 m and a corrected field of about 5° x 5°. The filter is a compensator for movement of the satellite. When the satellite passes through the field, the filter is rotated on an axis normal to the direction of satellite movement at an appropriate angular velocity. In this

APPROVED FOR RELEASE TUESDAY, AUGUSTOLF ZOOO SOLA FROPSG-00515KUULS 422



MIKHAYLOV, A.A., otv. red.; DADAYEV, A.N., red.; VASIL'YEVA, L.M., red.; KAYDANOVSKIY, N.L., red.; MARKOV, A.V., red.; POTTER, Kh.I., red.; SHCHEGOLEV, D.Ye., red.; SMIRNOVA, M.Ye., red. izd-va; KONDRAT'YEVA, M.N., tekhn. red.

[New developments in lunar studies] Novoe o Lune; doklady i soobshcheniia na.... Moskva, Izd-vo Akad. nauk SSSR, 1963. 426 p. (MIRA 16:5)

1. Mezhdunarodnyy simpozium po issledovaniyu luny, Pulkovo, 1960. 2. Glavnaya astronomicheskaya observatoriya Akademii nauk SSSR, Pulkovo (for Mikhaylov, Kaydanovskiy, Markov, Potter, Shchegolev). 3. Chlen-korrespondent Akademii nauk SSSR (for Mikhaylov). (Moon)

EWG(v)/EWT(1)/EEC(t) Pe-5/Po-4/Pae-2 GW/GS UR/0000/63/000/000/0401/0403 L 43543-65 28 ACCESSION NR: AT5009186 8+1 AUTHOR: Potter, Kh. I TITLE: Topocentrio lunar ephomeris SOURCE: Astrometricheskaya konforentsiya SSSR, 15th, Pulkovo, 1960. Trudy. Moscow, Izd-vo AN SSSR, 1963, 401-403 TOPIC TAGS: moon, astrometry, ephemeris, lunar ephemeris, topocentric ephemeris ABSTRACT: It is extremely tedious to process lunar photographic observations by the Markowitz method. The use of tables at different stages of the work facilitates computa-

tions. However, a radical solution is required - compilation and use of a topocentric lunar ephemeris. This paper describes the content and method for computing such an ephemeris for Pulkovo for 1957-1962 by use of electronic computers. In the analysis of photographic observations of the moon it is necessary to consider the topocentric positions of the moon on a plate related to a particular moment of Universal Time. The coordinates of the reference stars surrounding the moon are taken from the Yale catalogues where they are related to the equinox 1950.0. The ephemeridal coordinates of the moon, taken from the Yezhegodnik (Almanac) are geocentric and related to a definite moment of ephemeridal time. The two methods for comparison of observed and

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ACCESSION NR: AT5009186

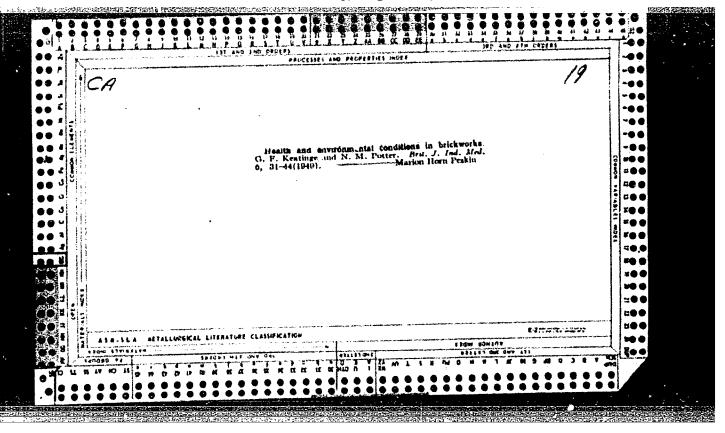
ephemeridal coordinates are discussed. In making observations by the Markowitz method it is also necessary to know the velocity V and the position angles V of topocentric motion of the moon, which are functions of the ephemeridal coordinates. Computation of such a topocentric ephemeris requires a precise allowance for parallax, which is one of the most tedious stages in processing observations. It is natural to combine the procedure of computation of V and V with the computation of reduction for parallax from geocentric to topocentric coordinates. Addition of the simple operation of taking into account precession, aberration and nutation results in an ephemeris of both velocities V and position angles V and the topocentric coordinates of the moon related to the equinox 1950.0. The EV-80-3 electronic computer of the Leningradskiy Vychishtel'nyy Tsentr (Leningrad Computation Center) was used in compiling a topocentric ephemeris of lunar coordinates (& 1950.6 1950), of velocities V, position angles V and a number of other auxiliary values. The initial data were: 1. a geocentric hourly ephemeris of lunar coordinates (\$\cdot\$, \$\data\$; 2. a semidiumal ephemeris of the horizontal equatorial parallax of the moon \$\vec{\pi}\$; 3. a diumal ephemeris of Reggel reduction values A P C D: A a diumal ephemeris of the reduction values A P of Bessel reduction values A, B, C, D; 4. a diurnal ephemeris of the values S

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ght). All these va	lues were punci	ed on punch care	ls.
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CIA-RDP86-00513R001342



CZECHOSLOVAKIA/Microbiology - Microbes Pathogenic in Man and

inimals.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67383

Author

Pottl, J.

Inst Title

: Discovering Antibodies in Tuberculosis.

Orig Pub

: Rozhl. tuberk. a nemocech plicnich, 1957, 17, No 6, 460-

465.

Abstract

: Comparative researches of RCK with alcohol antigenes and RGA with tuberculin antigenes (in tuberculosis) have demonstrated that these reactions indicate the presence of various diseased antibodies in the serum. One RSK gives a positive result in 30% of the cases; when the RSK and RGA are found simultaneously, there is a positive result in 70% of the cases. By using UZ the author prepared a complex aqueous antigene from tuberculosis beateria; evidently the antigene consists of antigenes contained

Card 1/2

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KOZHUKHIN, G.I.; NAGORNYY, N.M.; POTTOSIN, I.V.

Principles of the organization and the use of a library of programs. Vych.mat. no.7:161-169 '61. (MIRA 15:4) (Programming (Electronic computers))

44370

S/044/62/000/012/047/049 A060/A000

16.6800

AUTHORS:

Kozhukhiri, G.I., Nagornyy, N.M., Pottosin, I.V.

TITLE:

Principles of organization and utilization of a program library

--PERIODICAL:- Referativnyy zhurnal, Matematika, no. 12, 1962, 68, abstract 12V441 (Vychisl. matematika, Collection 7, 1961, 161 - 169)

TEXT: At the present time two directions have taken shape in the domain of programming automation: the method of compilers and the creation of program libraries. The latter method, making greater use of manual programming, is largely free of the drawbacks of the former (greater volume of data, the finite number of types of admissible operators, the impossibility of extending the compiler language without altering the compiler program itself). In the opinion of the authors, the ideal method would be one combining both of these directions. The principles are proposed for organizing a program library created for that purpose. The viewpoint adhered to considers the library program as a set of blocks with a certain distinguished block (the master program itself). The programmer needs to know only the essential meaning of the blocks, while the remaining data concern-

Card 1/2

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BABETSKIY, G.I. (Novosibirsk); PEZHANOVA, M.M. (Novosibirsk); VOLOSHIN, Yu.M. (Novosibirsk); TERSHOV, A.P. (Novosibirsk); ZAGATSKIY, B.A. (Novosibirsk); ZMITEVSKAYA, L.L. (Novosibirsk); KOZHUKHIN, G.I. (Novosibirsk); KOZHUKHINA, S.K., (Novosibirsk); POTTOSIN, I.V. (Novosibirsk); TROKHAN, L.K. (Novosibirsk); POTTOSIN, I.V. (Novosibirsk); TROKHAN, L.K. (Novosibirsk)

The ALPHA system of automatic programming. Zhur. vych. mat. i mat. fiz. 5 no.2:317-325 Mr-Ap 165. (MIRA 18:5)
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ACCESSION NR: AP5009396 ACCESSION NR: AP5009396 AP50093101760325 AP60093101760325 AP600931017603 AP6000931017603 AP6000000000000000000	

which has the following characteristics: three-address, floating-point, one index register, an immediate access memory of 4096 45-bit words, one index register, an immediate access memory of 12, 288 words, four three magnetic drums with a total storage capacity of 12, 288 words, four magnetic tape units with 75,000 words storage capacity each, punch card input and output, average speed 20,000 operations per second. The AL' FA System consists of the following components: 1) AL' FA language, the input language in which the problems to be solved are programmed. This language is an extension of the ALGOL-60 language. It is a register that the property of the following program by means of which the program written in AL' FA language is translated into the computer program. It consists of 24 blocks with a total storage capacity of 45,000 words. The lite correct the AL' FA debugging program, which makes it possible, in detail, and 3) the AL' FA debugging program, which makes it possible, it correct the AL' FA program without studying the computer program. The storage capacity of the AL' FA debugging program is approximately. Card 2/3	L 14259°-65		·
The storage capacity of the AL' FA debugging program is approximately.	ACCESSION NR: AP5009396 which has the following characteristics: three one index register, an immediate access members are magnetic drums with a total storage capating and output, average speed 20,000 operation of the AL' FA System consists of the following and the input language in which the problem of the input language is an extension of the input language in which the problem of the input language is an extension of the input language is an extension of the input language is translated in the input language is translated in the input language is translated in detail and 3) the AL' FA debugging programs and detail and 3) the AL' FA debugging programs.	capacity each, punch card capacity each, punch card cons per second. ing components: 1) AL' FA lems to be solved are proper and the ALGOL-60 language. In by means of which the proper into the computer program. Into the computer program in procedure are described and, which makes it possible.	
Card 2/3	The storage capacity of the AL' FA debugging	program is approximately.	
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8/558/61/000/007/006/008 1299/1301

AUTHORS:

Hozhukhin, G.I., Magornyy, M.M., and Pottesin, I.T.

TITID:

Frinciples of organization and use of routine libra-

ries

SOURCE:

Akademiya nauk MMDR. Vychislitelinyy tsentr. Vychis-

litel'naya matematika, no. 7, 1961, 161 - 169

THEF: The organization and functions of a library of routines is considered. The library shouls have the following characteristics: The routines should be realizations of algorithms (transforming the coded data); the routines should be written in the required machine eade; they should not be limited artificially in length, number of inputs and outputs, and in the number of required blocks (stacks). It should be possible to use a variety of very simple compiling and interpreting systems, operating in conjunction with the routines. These requirements could be met in the following way: The routine should consist of 2 parts: The blocks of instructions and of related constants, and the remaining blocks (of initial data, parame-

Card 1/3

Principles of organization and ...

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ters, etc.). The blocks which do not change during the processing (i.e. the re-addressing constants, figures, etc.) should be kept separate from those which change on entering the store. The length of blocks (1 + max | 1, where | 1 are natural numbers) depends on the parameters (order of matrices, degrees of polynomials, etc.). The address of the routine can have the form a + fi(n1, ..., nh), where a - is the start of the block, and n1, ..., nk are parameters. The start of the block and its length determine the range of addresses, related to the particular block. The instruction for the routine is constructed in such a way, so as to allow changes in the processed part of the routine. The position of the block can be intained by either its start and length, or by its start and end; information about the block, is called basic; often, additional justing (the possible start of blocks) functions, and a program for calculation of block length. The input- and output of routines can described information characterizes completely the routine; it is

Principles of organization and ...

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nixed and does not change from problem to problem. A library, organized in the above manner, can carry out the following functions: Independent use of each program, use of subroutines in other routines, use of programming routines, use of routines in conjunction nes, use of programs of various complexity, joint use of routines, compiling—and interpreting systems. The proposed method of cranization does not specify the automation system, using the library; (hence it can be used with various systems). As an example, the use of the library in solving problems by means of the compiling the creation of a library of algorithms, in addition to that of routines. Such a library chause use a symbolic language which would be remit automatic translation into the machine language. The adoptermit automatic translation into the machine language. The adoptermines of algorithms. In this connection, the international algorithms of algorithms. In this connection, the international algorithms language "Algol", is mentioned. There is 1 Soviet-bloc reference.

Uard 3/3

Country: USSR

Category: Virology. Bacterial Viruses (Phages)

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103483

Author : Pottosina, Ye. P.

Inst : -

Title : Improvement of the Mothod of Preparing Typhoid

Bacteriophage.

Orig Pub: Sb. Bakteriofagiya. Tbilisi. Gruzmedgiz, 1957,

135-137.

Abstract: Typhoid phages with a higher titer (10-100 times

greater than in the control) can be obtained by causing them to multiply under ceration conditions. Preliminary successive passages through the bodies of patients (phage was given twice a day in a dose

Card : 1/2

L 9015-65 IJP(c)/RAEM(t)/AFETR/RAEM(1)/ASD(d)/ASD(a)-5/ESD(t)/ EwT(d) Po-L AFMD(p)/ESD(dp)/AFWL/AFTC(b)/SSD ACCESSION HR: ARHO43057 8/0044/94/000/006/v084/v084

SOURCE: Ref. zh. Matematika, Abs. 64526

AUTHOR: Kashirev, V. I.; Kravtsova, Ye. A.; Pottosin, Yu. B.; Tavetnitskaya, S. A.

TITIE: Block cell of the multidimensional fields, of the L-machine

CITED SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta, vy*p. 42, 1963, 38-43

TOFIC TAGE: computer, multidimensional field, block cell, computer cell unit, ten dimensional field, information field element, information storage, information processing, computer element interaction, ferrite core, transistor, computer per-

TRANSLATION: The structure of a typical cell of a block of the multidimensional fields of the L-machine (RZHKat, 1964, 3V251) is described. The cell contains one of 1024 elements of the basic ten-dimensional information field, combining storage and conversion of the information and structurally similar to the ten-dimensional cube, and the corresponding elements of 13 additional fields to be used essentially for information storage. The cell structure provides for the performance in the

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KASHIROV, V. I.; BUTAKOV, Ye. A.; POTTOSIN, Yu. V.; TOROFOV, N. E.; TSVETNITSKAYA, S. A.

"Problems in Realizing the L-Machine."

report presented at the Symp on Relay Systems Theory & Finite Automata, Moscow, 24 Sep-2 Oct 62.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001342

EWT(d)/EWP(1) IJP(c) BB/GG/GD ь 04423**-**67 SOURCE CODE: UR/0000/65/000/000/0357/0362 ACC NR: AT6014295 AUTHOR: Kashirov, V. I. (SSSR); Butakov, Ye. A. (SSSR); Pottosin, Yu. V. (SSSR); Toropov, N. R. (SSSR); Tsvetnitskaya, S. A. (SSSR) B+1 ORG: none TITLE: Problems in materialization of the L-machine 160 SOURCE: International Symposium on the Theory of Relay Systems and Finite Automata. Moscow, 1962. Sintez releynykh struktur (Synthesis of relay structures); trudy simpoziuma. Moscow, Izd-vo Nauka, 1965, 357-362 TOPIC TAGS: logic circuit, logic design, switching theory, digital computer ABSTRACT: Structures of a cell of multioutput fields of the "L-machine" (see AT6014294), a combination generator, and a Gray-code counter of the machine's control unit are considered. The counter has ten binary elements whose states can be represented by a binary word $g = (g_1, g_2, \ldots, g_n)$. A 10-digit binary word r determines the set of blocked digits in the word g, i.e., with $r_i = 0$, Card 1/2

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001342

04423-67 ACC NR: ΛT6014295	
The generator of combinations of 10 things k at a pinary elements whose states can be described by a 10-dig $c = (c_{10}, c_{9}, \ldots, c_{1})$. Under the influence of control pulsarput, the word c will consecutively take on all values that consible combinations of k ones and 10-k zeros. The field principal and 13 auxiliary fields. Each field comprises 2 numbers j, where $j = 0, 1, \ldots, 1023$. Block diagrams of shown, and their operations are briefly described. Orig. 13 formulas, and 1 table.	git binary word lises at the generator t correspond to all id unit comprises one 10 = 1024 elements with f the above units are
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2\295 Z/032/61/011/009/007/009 E073/E535

18 1150

AUTHOR: Potüček, B.

TITLE: Investigati

Investigation of austenitic chromium-manganese steels

for castings

PERIODICAL: Strojírenství, 1961, Vol.11, No.9, pp.712-713

TEXT: The results are described of research on steels with high contents of chromium, carbon and nitrogen which enable further savings in nickel and permit cheap processing of scrap of CrMnN steels by merely resmelting. The castings can be applied for components which are required to have a high resistance to corrosion and a high resistance to elevated temperatures. The manufacture of CrMnCN steels for castings from CrMnN steel scrap is advantageous and cheap. As regards the chemical composition, a large range of alloying elements are recommended. The physical properties are comparable to those of austenitic steels.

1961, Praha: SVÚMT Z-60-903/III.

[Abstractor's Note: Complete translation.]

Card 1/1

PO!UCEK, 3., inz.

International symposium on stainless steel and compounds. Strojirenstvi 12 no.1:69 Ja 162.

1. Statni vyzkumny ustav materialu a technologie.

POTUCEK, B.; VYKLICKY, M.; KABRHEL, A.

New possibilities for using the economical stainless steels
Crl8Mi5Mn3N (17%60), Crl7Ti (170%6), and Crl3Mn15N (17%71).

Energetika Cz 13 no.9:500 S '63.

VYKLICKY, M.; LOBL, K.; FOTUCEK, B.

Industrial use of economical stainless refractory steels and alloys.
Energetika Cz 13 no.9:500 S '63.

z/032/60/010/009/005/006 E073/E535

AUTHOR:

Potůček, B.

TITLE:

Verification of the Possibilities of Repairing (Surface Defects of Castings from CrNiMnN Steels by Electric Arc Welding with a CrNi 18/9 (E-388)

Electrode

PERIODICAL: Strojirenstvi, 1960, Vol.10, No.9, p.713

TEXT: Most of the carried out tests have confirmed the possibility of repairing fittings and other castings made of stainless, austenitic economy steel of the type CrNiMnN. In spite of that weldability tests of these castings will continue. The test results obtained so far were sufficient to work out a preliminary technological specification on repair by welding of surface defects of castings from CrNiMnN steel and this specification will be made more accurate in due course.

Report SVUMT Z-58-686, Prague, 1959.

Card 1/1

POTUCEK, B.

Cold storage for fruits containing a high proportion of carbon dioxide. p. 303. PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu) Praha, Czechoslovakia, Vol. 10, no. 6, June 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

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/ Constitution of the tron-chromium-imanganese alloys—
itselfich Politick (Statul viz Asumos datay insterialu a technology and the control of t

POTROCER, B.

TECHNOLOGY

periodicals: HUTHICKE LISTY Vol. 13, no. 12 Dec. 1958

PCTJCER, B. Constitution of Fe-Cr-En alloys. p. 1070

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5

Nay 1959, Unclass.

Z/034/61/000/011/007/007 **E**073/**E**335

AUTHOR: Potaček, B.

TITLE: Study of the substitution of stainless steels by

CrNiMnN chromium-nickel steels

PERIODICAL: Hutnické listy, no. 11, 1961, p. 824

TEXT: Research meport SVUMT Z-60-830, 109 pages, 55 figures and 16 tables.

The first part deals with investigation of the properties and the possibility of using CrNiMnN steels in the as-shaped state. Verification and investigation of the physical and mechanical properties, of the influence of heat-treatment, weldability and corrosion-resistance of the economy austenitic steel 18/5/8, which contains only half as much nickel as the CrNi 18/8-type steel and, in addition, it contains about 8.5% Mn and about 0.20% N. The new steel is suitable for use in the food, consumer-goods and chemical industries.

Abstractor's note - this is a complete translation.

Card 1/1

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z/032/61/011/010/007/007 E073/E535

18 1150

0 0 - 43

Potůček, B. AUTHOR:

Investigation of the substitution of stainless steels TITLE:

with chromium-nickel steels of the type CrNiMnN

PERIODICAL: Strojírenství, 1961, Vol.11, No.10, p.794

The first part of the report deals with investigation of the properties and the possibilities of application of CrNiMnN steels in the state after forming operations. The physical and mechanical properties, the influence of heat treatment and the weldability were investigated for the austenitic economy steel 18/8/8, the nickel content of which is only about half that of the steels of the type CrNi 18/8 and, in addition, contains about 8.5% Mn and about 0.20% N. The new steel is suitable for use in the food and consumer goods industries and in the chemical industry.

1961, Prague: SVUMT 7-60-830

[Abstractor's Note: Complete translation.]

Card 1/1

POTUCEK, B.

"Application of antibiotics for storing meat in cold rooms." P. 127.

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu). Praha, Czechoslovakia, Vol. 10, No. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncla.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001342

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: (not given)

Affiliation: Station of Hygiene and Epidemiology, National Council (Hygienicko epidemiologia) ce Narodniko veboru) Prague

Presur, Coskoslovenska Hygiena, Tol VI, No 7, Aug £1, pp 436 442

Data:

"Sone i will ems of Sanitation in Experimental Housing"

BPO 981643

POTUCEK, F. Building - the most important means for creating an optimal living environment. Cesk. hyg. 8 no.8:445-450 S '63. 1. Hygienicko-epidemiologicka stamice NV, Praha. (HOUSING) (COMMUNISM) (ENVIRONMENTAL HEALTH)

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	్థుల్పే కి. కో., కున్నుల్కి, మొం మార్కువే≱్ట్ ప్రాంత్ర అయ్త నక్ రామా ఉపార్కని ఆఫీటుంగా ఉంది.	
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Z/034/61/000/002/004/006 E073/E535

AUTHORS: Lobl, K., Engineer, Potůček, B., Engineer, Vystyd, M.,

Engineer and Hybek, K., Engineer

TITLE: Austenitic Heat Resistant Stainless Steel for Castings.

Patent Application Class 18d, 1/30, PV 1915-59, dated

April 2, 1959

PERIODICAL: Hutnické listy, 1961, No.2, p.138

TEXT: The steel contains 0.20 to 0.75% C, maximum 3% Si, 6 to 16% Mn, 16 to 32% Cr, maximum 3% Ni, 0.2 to 6% Mo and 0.15 to 0.75% N. Further alloying elements are B, maximum 0.05%, and Co up to 20%. Castings from this steel are heat resistant and up to 1000°C they resist carburizing and sulphur-containing atmospheres. The steel is suitable for applications in which high temperature strength and resistance to corrosive atmospheres are required simultaneously.

Card 1/1

Z/034/61/000/002/005/006 E073/E535

AUTHORS: Löbl, K., Engineer, Potüček, B., Engineer and

Šustek, A., Engineer

TITLE: Austenitic Stainless Steel for Castings.

Patent Application Class 18d, 1/30, PV 1915-59,

dated April 2, 1959

PERIODICAL: Hutnické listy, 1961, No. 2, pp.138-139

TEXT: The steel contains 0.05 to 0.25% C, maximum 1.5% Si,

6 to 12% Mn, 14 to 22% Cr, 0.10 to 0.30% N, 3.5 to 5.5% Ni and 0.10 to 3.00% Cu. Furthermore, it contains 0.10 to 5% Mo and a maximum of 0.05% B or Zr or B and Zr simultaneously in a quantity not exceeding 0.1%. This steel is satisfactory for casting

components which come into contact with acids. An advantage of this steel is also its high yield point.

Card 1/1

89308

18.1130

Z/034/61/000/004/004/005 LU73/E335

AUTHORS:

Löbl, K., Zezulová, M., Sustek, A., Potůček, B., Engineers, Steffek, V., Chatrny, D. and Pant, P.

TITLE:

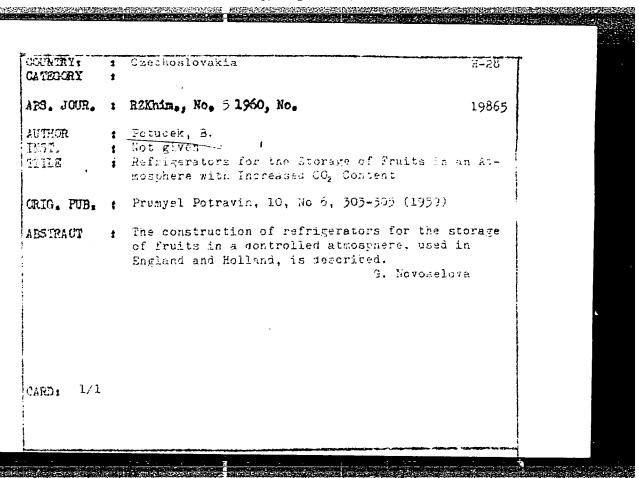
Austenitic Stainless Hardening Steel for Castings (Patent Application Class 18d, 2/40 PV 1895-60,

Dated March 21, 1960)

PERIODICAL: Hutnické listy, 1961, No. 4, p. 289

The steel contains 0.05 to 0.40% C, max. 1.5% Si, 0.5 to 6.0% Mn, 14 to 20% Cr, 0.01 to 0.25% N and 2.5 to 5.5% Ni and as a further corrosion-inhibiting element 0.10 to 3.0% Cu and 0.10 to 5.0% Mo. This steel is suitable for equipment in the chemical and food industries, where nitric acid, sulphuric acid, hydrochloric acid and organic acids are present in the processing of fruit and milk. (Abstractor's note: this is a complete translation.)

Card 1/1



S/137/62/000/009/020/033 ·· A006/A101

and the control of th

Löbl, Karel, Potucek, Bedrich, Šustek, Alois AUTHORS:

Stainless austenitic steel for castings TITLE:

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 9, 1962, 78, abstract

91480 P (Czechosl. Patent no. 100061, of July 15, 1961)

To replace the widely used austenitic stainless Cr-Ni steel (% Ni, TEXT: 18% Cr), an austenitic steel is proposed which does not contain Ni at all or only small amounts of it. The chemical composition of the steel (in %) is: C 0.05 -0.3, Si ≤1.5, Mn 10 - 20, Cr 14 - 22, N 0.15 - 0.45, Cu 0.10 - 3.0. The corrosion resistance of the steel can be raised by addition of 3.5% Ni or 0.10 - 5.0% Mo (or by joint addition of Ni and Mo). The mechanical properties are improved by addition of B or Zr in a 0.05% amount, or by their simultaneous addition in a quantity of up to 0.10%. The steel structure should not contain , 25% of the ferritic component. The production of this steel has an economical advantage, since its use makes it possible to reduce the weight of the castings (due to improved mechanical properties) and their Ni content. Moreover, the wide-ranged

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2/032/63/013/002/004/004 E073/E335

AUTHORS:

Vyklický, M., Löbl, K., Potucek, B. and Kabrhel, A.

TITLE:

Introduction of economy stainless refractory steels

and facing elements

PERIODICAL:

Strojírenství, v. 13, no. 2, 1963, 155

TEXT: The possibility was examined of substituting expensive and scarce steels by economy steels of the type Cr18Ni5Nn9N and Cr18Mn15N and satisfactory progress was made in introducing the proposed alloys as substitutes for the steels Real 095 and 096. Furthermore, the possibility was considered of using the steel Crl8Mn15N for a number of corrosive media under current welding conditions. Work has progressed in obtaining more accurate data on the properties of the oxidation-resistant austenitic chromium-nickel steels used for casting components of fittings, turbines, etc. Draft data sheets were worked out for the steels ARM4 and ARM 6. Report Z-61-987. SVÚMT. Prague. 1961.

[Abstracter's note: complete translation.]

Card 1/1

S/137/62/000/012/045/085 A006/A101

AUTHORS:

Löbl, Karel, Zezulová, Marcela, Śustek, Alois, Potűček, Bedřich,

Stefek, Vladislav, Chatrný, Drahomir, Pant, Pavel

TITLE:

Austenite stainless (dispersion) hardening steel for castings

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 75,

abstract 12I450P (Czechosl. Patent no. 100589 of August 15,

1961)

TEXT: A steel is proposed which contains in %: C 0.05 - 0.40; Si > 1.5; in 0.5 - 6.0; Cr 14 - 20, N 0.01 - 0.25, Ni 2.5 - 5.5. The corrosion resistance of the steel increases by the addition of 0.10 - 3.0% Cu. Steel containing 0.10 - 5% to has a raised corrosion resistance in H_pSO_h .

V. Srednegorska

[Abstracter's note: Complete translation]

Card 1/1

\$/137/68/000/010/013/086 A052/A101

AUTHORS:

Löbl, Karel, Potůček, Bedřich, Vystyd, Milos, Hýbek, Karel

TITLE:

Austenitic heat-resisting stainless steel for castings

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1962, 77, abstract

101499 P (Czech. pat., no. 99833, June 15, 1961)

The patent presents an austenitic steel containing (in %): 0.20 -TEXT: 0.75 C, \leq 3 Si, 6 - 16 Mn, 16 - 32 Cr, \leq 3 Ni, 0.2 - 6 Mo, 0.15 - 0.75 N and also ≤0.05 B and ≤20 Co. The presence of B and Co contributes to heat resistance. These steels are characterized by a high heat and corrosion resistance and can be used for work at up to 1,000°C and in an atmosphere containing C and S.

V. Srednogorska

[Abstracter's note: Complete translation]

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CZECHOSLOVAKIA

POTUCEK, F., MD.

Hygienic-Epidemiological Station NV-UNZ (Hygienicko-epidemiologicka stanice NV-UNZ), Prague

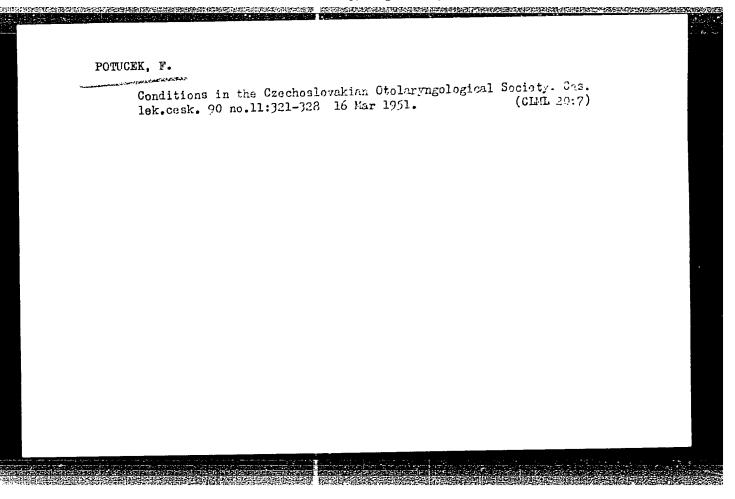
Prague, Prakticky lekar, No 6, 1963, pp 207-210

"Construction of Dwellings and the District Doctor."

POTULEK FRANTISEK, M. D.

Tasks of political cadres. Zdravot. revue 25:6, June 50.
p. 138-144

CLML 19, 5, Nov., 1950



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POTUCEK, F.

"Testing Tools Made of Cemented Steels." p. 249, Praha, Vol.2, no. 6, June 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

POTUCEK, F.

"Discussion of Electric Spark Hardening of Tool Edges." p. 254, Praha, Vol. 2, no. 6, June 1954.

30: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress